



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** 1000012075  
**Material name** 10.5 OZ SW PLASTIC SPRAY CLEANER LB 12PK  
**Company information** Sprayway, Inc.  
1005 S. Westgate Drive  
Addison, IL 60101 United States  
**Company phone** General Assistance 1-630-628-3000  
**Emergency telephone US** 1-866-836-8855  
**Emergency telephone outside US** 1-952-852-4646  
**Version #** 01  
**Expiry Date** 02-Feb-2018  
**Product use** Solvent cleaner

## 2. Hazards Identification

**Emergency overview** WARNING

Flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame. Yields a flame projection at full valve opening or a flashback at any degree of valve opening. Will be easily ignited by heat, spark or flames. Harmful if inhaled. Causes skin and eye irritation. May cause an allergic skin reaction. May cause irritation to the respiratory system. Vapors may cause drowsiness and dizziness. Cancer hazard. Suspected of causing genetic defects. May cause reproductive effects. Prolonged exposure may cause chronic effects.

**Potential health effects**

**Routes of exposure** Inhalation. Ingestion. Skin contact. Eye contact.

**Eyes** Irritating to eyes.

**Skin** Irritating to skin. This product may cause an allergic skin reaction.

**Inhalation** Harmful if inhaled. Intentional misuse by concentrating and inhaling the product can be harmful or fatal. May cause irritation of respiratory tract. Prolonged inhalation may be harmful.

**Ingestion** Exposure by ingestion of an aerosol is unlikely. Irritating. May cause nausea, stomach pain and vomiting. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury.

**Target organs** Respiratory system. Central nervous system. Kidneys.

**Chronic effects** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Pregnant women or women of child-bearing age should not be exposed to this product. May cause birth defects.

**Signs and symptoms** Irritant effects. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**Potential environmental effects** May cause long-term adverse effects in the environment.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Trichloroethylene	79-01-6	15 - 40
Butane	106-97-8	10 - 30
Propane	74-98-6	10 - 30
Methylal	109-87-5	7 - 13
Solvent Naphtha (petroleum), Light Aliph.	64742-89-8	7 - 13
Diacetone Alcohol	123-42-2	3 - 7
Odorless Mineral Spirits	64741-65-7	3 - 7
Xylene	1330-20-7	0.5 - 1.5

Components	CAS #	Percent
Ethanol	64-17-5	0.1 - 1
Ethylbenzene	100-41-4	0.1 - 1
Other components below reportable levels		15 - 40

#### 4. First Aid Measures

##### First aid procedures

<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Skin contact</b>	Immediately flush skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Remove and isolate contaminated clothing and shoes. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a physician or Poison Control Center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse mouth thoroughly. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions.

**Notes to physician** Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Keep victim under observation.

**General advice** If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

#### 5. Fire Fighting Measures

**Flammable properties** Flammable by WHMIS criteria. Heat may cause the containers to explode. Ruptured cylinders may rocket. Vapors may travel considerable distance to a source of ignition and flash back.

##### Extinguishing media

<b>Suitable extinguishing media</b>	Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

##### Protection of firefighters

<b>Specific hazards arising from the chemical</b>	Contents under pressure. Pressurized container may explode when exposed to heat or flame.
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus. Structural firefighters protective clothing will only provide limited protection.

**Fire fighting equipment/instructions** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Move containers from fire area if you can do so without risk. Do not direct water at source of leak or safety devices as icing may occur. Containers should be cooled with water to prevent vapor pressure build up. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Some of these materials, if spilled, may evaporate leaving a flammable residue.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion do not breathe fumes.

##### Explosion data

<b>Sensitivity to static discharge</b>	Not available.
<b>Sensitivity to mechanical impact</b>	Not available.

**Hazardous combustion products** May include oxides of sulphur.

## 6. Accidental Release Measures

### Personal precautions

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Pay attention to flashback. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. For personal protection, see section 8 of the MSDS.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water.

### Methods for containment

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. If possible, turn leaking containers so that gas escapes rather than liquid. Move the cylinder to a safe and open area if the leak is irreparable. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Dike the spilled material, where this is possible. Keep out of low areas. Prevent entry into waterways, sewer, basements or confined areas.

### Methods for cleaning up

Ventilate the area. Absorb in vermiculite, dry sand or earth and place into containers. Wipe up with absorbent material (e.g. cloth, fleece). Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Clean up in accordance with all applicable regulations. For waste disposal, see section 13 of the MSDS.

## 7. Handling and Storage

### Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all sources of ignition. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. All equipment used when handling the product must be grounded. Pressurized container: Do not pierce or burn, even after use. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not re-use empty containers. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using do not eat or drink. Use only in well-ventilated areas. Wear personal protective equipment. Wash thoroughly after handling. Observe good industrial hygiene practices. Avoid release to the environment.

### Storage

Level 3 Aerosol.

Contents under pressure. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. The pressure in sealed containers can increase under the influence of heat. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a well-ventilated place. Keep locked up. Refrigeration recommended. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the MSDS).

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### ACGIH

#### Components

#### Type

#### Value

Solvent Naphtha  
(petroleum), Light Aliph.  
(CAS 64742-89-8)

TWA

400 ppm

#### US. ACGIH Threshold Limit Values

#### Components

#### Type

#### Value

Butane (CAS 106-97-8)

STEL

1000 ppm

Diacetone Alcohol (CAS  
123-42-2)

TWA

50 ppm

Ethanol (CAS 64-17-5)

STEL

1000 ppm

Ethylbenzene (CAS  
100-41-4)

TWA

20 ppm

Methylal (CAS 109-87-5)

TWA

1000 ppm

Trichloroethylene (CAS  
79-01-6)

STEL

25 ppm

Xylene (CAS 1330-20-7)

TWA

10 ppm

STEL

150 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value
	TWA	100 ppm

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

Components	Type	Value
Butane (CAS 106-97-8)	TWA	1000 ppm
Diacetone Alcohol (CAS 123-42-2)	TWA	238 mg/m3
		50 ppm
Ethanol (CAS 64-17-5)	TWA	1880 mg/m3
		1000 ppm
Ethylbenzene (CAS 100-41-4)	STEL	543 mg/m3
		125 ppm
	TWA	434 mg/m3
		100 ppm
Methylal (CAS 109-87-5)	TWA	3110 mg/m3
		1000 ppm
Propane (CAS 74-98-6)	TWA	1000 ppm
Trichloroethylene (CAS 79-01-6)	STEL	537 mg/m3
		100 ppm
	TWA	269 mg/m3
		50 ppm
Xylene (CAS 1330-20-7)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

Components	Type	Value
Butane (CAS 106-97-8)	STEL	750 ppm
	TWA	600 ppm
Diacetone Alcohol (CAS 123-42-2)	TWA	50 ppm
Ethanol (CAS 64-17-5)	STEL	1000 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Methylal (CAS 109-87-5)	STEL	1250 ppm
	TWA	1000 ppm
Trichloroethylene (CAS 79-01-6)	STEL	25 ppm
	TWA	10 ppm
Xylene (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

Components	Type	Value
Butane (CAS 106-97-8)	STEL	1000 ppm
Diacetone Alcohol (CAS 123-42-2)	TWA	50 ppm
Ethanol (CAS 64-17-5)	STEL	1000 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Methylal (CAS 109-87-5)	TWA	1000 ppm
Trichloroethylene (CAS 79-01-6)	STEL	25 ppm
	TWA	10 ppm

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

Components	Type	Value
Xylene (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

Components	Type	Value
Butane (CAS 106-97-8)	TWA	800 ppm
Diacetone Alcohol (CAS 123-42-2)	STEL	360 mg/m3
		75 ppm
	TWA	240 mg/m3
Ethanol (CAS 64-17-5)		50 ppm
	STEL	1000 ppm
Ethylbenzene (CAS 100-41-4)	STEL	125 ppm
	TWA	100 ppm
Methylal (CAS 109-87-5)	TWA	1000 ppm
Trichloroethylene (CAS 79-01-6)	STEL	25 ppm
	TWA	10 ppm
Xylene (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

Components	Type	Value
Butane (CAS 106-97-8)	TWA	1900 mg/m3
		800 ppm
Diacetone Alcohol (CAS 123-42-2)	TWA	238 mg/m3
		50 ppm
Ethanol (CAS 64-17-5)	TWA	1880 mg/m3
		1000 ppm
Ethylbenzene (CAS 100-41-4)	STEL	543 mg/m3
		125 ppm
	TWA	434 mg/m3
		100 ppm
Methylal (CAS 109-87-5)	TWA	3110 mg/m3
		1000 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3
		1000 ppm
Trichloroethylene (CAS 79-01-6)	STEL	1070 mg/m3
		200 ppm
	TWA	269 mg/m3
		50 ppm
Xylene (CAS 1330-20-7)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Diacetone Alcohol (CAS 123-42-2)	PEL	240 mg/m3
		50 ppm
Ethanol (CAS 64-17-5)	PEL	1900 mg/m3
		1000 ppm
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3
		100 ppm

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Methylal (CAS 109-87-5)	PEL	3100 mg/m3 1000 ppm
Propane (CAS 74-98-6)	PEL	1800 mg/m3 1000 ppm
Xylene (CAS 1330-20-7)	PEL	435 mg/m3 100 ppm

**US. OSHA Table Z-2 (29 CFR 1910.1000)**

Components	Type	Value
Trichloroethylene (CAS 79-01-6)	Ceiling	200 ppm
	TWA	100 ppm

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
Trichloroethylene (CAS 79-01-6)	15 mg/l	Trichloroacetic acid	Urine	*
	0.5 mg/l	Trichloroethanol, without hydrolysis	Blood	*
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection**

Wear suitable protective clothing. It may provide little or no thermal protection.

**Respiratory protection**

If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

**Hand protection**

Wear protective gloves.

**9. Physical & Chemical Properties**

<b>Appearance</b>	Compressed liquefied gas.
<b>Physical state</b>	Liquid.
<b>Form</b>	Aerosol. Compressed gas.
<b>Color</b>	Clear.
<b>Odor</b>	Solvent.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not applicable estimated
<b>Vapor pressure</b>	40 - 50 psig @ 70F estimated
<b>Vapor density</b>	Not available.
<b>Boiling point</b>	241.65 °F (116.47 °C) estimated
<b>Melting point/Freezing point</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Specific gravity</b>	0.679 estimated estimated
<b>Relative density</b>	0.679 g/cm3 estimated estimated

<b>Flash point</b>	-156.0 °F (-104.4 °C) Propellant estimated
<b>Flammability limits in air, upper, % by volume</b>	8.4 % estimated
<b>Flammability limits in air, lower, % by volume</b>	1.4 % estimated
<b>Auto-ignition temperature</b>	620.46 °F (326.92 °C) estimated
<b>VOC</b>	58.63 % estimated
<b>Evaporation rate</b>	Not available.
<b>Percent volatile</b>	63.89 % estimated
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Other data</b>	
<b>Density</b>	0.63 g/cm3 estimated
<b>Heat of combustion</b>	29.43 kJ/g estimated
<b>Heat of combustion (NFPA 30B)</b>	29.47 kJ/g estimated estimated

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks. Aerosol containers are unstable at temperatures above 49°C. Avoid temperatures exceeding the flash point. Do not mix with other chemicals. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong acids. Acids. Strong oxidizing agents. Nitrates. Halogens. Fluorine. Chlorine.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

### Toxicological data

Product	Species	Test Results
10.5 OZ SW PLASTIC SPRAY CLEANER LB 12PK (CAS Mixture)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	8149 mg/kg
<i>Inhalation</i>		
LC50	Rat	45 mg/l/4h
<i>Oral</i>		
LD50	Rat	
<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Butane (CAS 106-97-8)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Mouse	1237 mg/l, 120 Minutes
		52 %, 120 Minutes
	Rat	1355 mg/l
Diacetone Alcohol (CAS 123-42-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	14.5 ml/kg, 24 Hours
	Rat	> 1875 mg/kg, 24 Hours
		13500 mg/kg

Components	Species	Test Results
<i>Oral</i> LD50	Rat	3002 mg/kg
Ethanol (CAS 64-17-5)		
<b>Acute</b> <i>Inhalation</i> LC50	Cat	85.41 mg/l, 4.5 Hours 43.68 mg/l, 6 Hours
	Mouse	> 60000 ppm 79.43 mg/l, 134 Minutes
	Rat	> 115.9 mg/l, 4 Hours 51.3 mg/l, 6 Hours
<i>Oral</i> LD50	Monkey	6000 mg/kg
	Mouse	10500 ml/kg
	Rat	1187 - 2769 mg/kg 7800 ml/kg
Ethylbenzene (CAS 100-41-4)		
<b>Acute</b> <i>Dermal</i> LD50	Rabbit	17.8 ml/kg, 24 Hours
<i>Inhalation</i> LC50	Mouse	> 8000 ppm, 20 Minutes
	Rat	4000 ppm
<i>Oral</i> LD50	Rat	3500 mg/kg
<i>Other</i> LD50	Mouse	17.81 mm/kg
Methylal (CAS 109-87-5)		
<b>Acute</b> <i>Dermal</i> LD50	Rabbit	> 5000 mg/kg, 24 Hours
<i>Inhalation</i> LC50	Mouse	57000 mg/m3, 7 Hours
<i>Oral</i> LD50	Rat	6423 mg/kg 7.46 ml/kg
Propane (CAS 74-98-6)		
<b>Acute</b> <i>Inhalation</i> LC50	Mouse	1237 mg/l, 120 Minutes 52 %, 120 Minutes
	Rat	1355 mg/l 658 mg/l/4h
Solvent Naphtha (petroleum), Light Aliph. (CAS 64742-89-8)		
<b>Acute</b> <i>Dermal</i> LD50	Rabbit	> 1900 mg/kg, 24 Hours



Components	Species	Test Results
<i>Inhalation</i> LC50	Rat	> 5020 mg/m3, 4 Hours > 4980 mg/m3 > 4980 mg/m3, 4 Hours > 4.96 mg/l, 4 Hours
<i>Oral</i> LD50	Rat	4820 mg/kg
Trichloroethylene (CAS 79-01-6)		
<b>Acute</b>		
<i>Dermal</i> LD50	Rat	19031 mg/kg
<i>Inhalation</i> LC50	Rat	12500 ppm, 4 Hours 1044 mg/l/4h
Xylene (CAS 1330-20-7)		
<b>Acute</b>		
<i>Dermal</i> LD50	Rabbit	> 5000 ml/kg, 4 Hours 12126 mg/kg, 24 Hours
<i>Inhalation</i> LC50	Rat	5922 ppm, 4 Hours
<i>Oral</i> LD50	Mouse	5251 mg/kg
	Rat	3523 mg/kg 10 ml/kg
<b>Acute effects</b>	Harmful if inhaled. May be fatal if swallowed and enters airways. May cause respiratory irritation. Narcotic effects.	
<b>Sensitization</b>	May cause sensitization by skin contact. Not a respiratory sensitizer.	
<b>Chronic effects</b>	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.	
<b>Carcinogenicity</b>	Cancer hazard.	
<b>ACGIH Carcinogens</b>		
Ethylbenzene (CAS 100-41-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
Trichloroethylene (CAS 79-01-6)	A2 Suspected human carcinogen.	
Xylene (CAS 1330-20-7)	A4 Not classifiable as a human carcinogen.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Ethylbenzene (CAS 100-41-4)	2B Possibly carcinogenic to humans.	
Trichloroethylene (CAS 79-01-6)	If <1L: Consumer Commodity Carcinogenic to humans.	
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.	
<b>Skin corrosion/irritation</b>	Irritating to skin.	
<b>Serious eye damage/irritation</b>	Irritating to eyes.	
<b>Mutagenicity</b>	Suspected of causing genetic defects.	
<b>Reproductive effects</b>	May cause reproductive system disorder and/or damage.	
<b>Teratogenicity</b>	Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.	
<b>Symptoms and target organs</b>	Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Decrease in motor functions.	
<b>Synergistic materials</b>	Not available.	
<b>Further information</b>	Symptoms may be delayed.	

## 12. Ecological Information

### Ecotoxicological data

Product	Species		Test Results
10.5 OZ SW PLASTIC SPRAY CLEANER LB 12PK (CAS Mixture)			
Aquatic			
Algae	IC50	Algae	2501 mg/L, 72 Hours
Crustacea	EC50	Daphnia	9.687 mg/L, 48 Hours
Fish	LC50	Fish	150 mg/L, 96 Hours
Components	Species		Test Results
Diacetone Alcohol (CAS 123-42-2)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	420 mg/l, 96 hours
		Fish	420 mg/L, 96 Hours
Ethanol (CAS 64-17-5)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	7700 - 11200 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100.1 mg/l, 96 hours
Ethylbenzene (CAS 100-41-4)			
Aquatic			
Algae	IC50	Algae	4.6 mg/L, 72 Hours
Crustacea	EC50	Daphnia	2.1 mg/L, 48 Hours
		Water flea (Daphnia magna)	1.37 - 4.4 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	7.5 - 11 mg/l, 96 hours
Methylal (CAS 109-87-5)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	6261 - 7801 mg/l, 96 hours
Odorless Mineral Spirits (CAS 64741-65-7)			
Aquatic			
Algae	IC50	Algae	30000 mg/L, 72 Hours
Solvent Naphtha (petroleum), Light Aliph. (CAS 64742-89-8)			
Aquatic			
Algae	IC50	Algae	4700 mg/L, 72 Hours
Trichloroethylene (CAS 79-01-6)			
Aquatic			
Crustacea	EC50	Daphnia	2.2 mg/L, 48 Hours
Fish	LC50	Fish	40.8933, 96 Hours
		Flagfish (Jordanella floridae)	3.1 mg/l, 96 hours
Xylene (CAS 1330-20-7)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	7.711 - 9.591 mg/l, 96 hours
Ecotoxicity	Components of this product are hazardous to aquatic life.		
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.		
Aquatic toxicity	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.		
Persistence and degradability	No data is available on the degradability of this product.		
Partition coefficient			
Butane	2.89		
Diacetone Alcohol	-0.098		
Ethanol	-0.31		
Ethylbenzene	3.15		
Methylal	0		

Propane	2.36
Trichloroethylene	2.61
Xylene	3.12 - 3.2

### 13. Disposal Considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

### 14. Transport Information

#### TDG

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	AEROSOLS, flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	D
<b>Special precautions for user</b>	Read safety instructions, MSDS and emergency procedures before handling.

#### IATA

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	2.1
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	Yes
<b>ERG Code</b>	10L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, MSDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed.
<b>Cargo aircraft only</b>	Allowed.

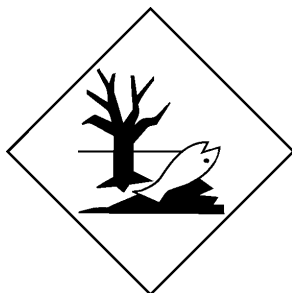
#### IMDG

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	AEROSOLS
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	None
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>EmS</b>	F-D, S-U
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, MSDS and emergency procedures before handling.

IATA; IMDG; TDG



Marine pollutant



General information

IMDG Regulated Marine Pollutant.

## 15. Regulatory Information

Canadian regulations

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status

Controlled

WHMIS classification

A - Compressed Gas  
B5 - Flammable Aerosols  
D1B - Immediate/Serious-TOXIC  
D2A - Other Toxic Effects-VERY TOXIC  
D2B - Other Toxic Effects-TOXIC

WHMIS labeling



International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other Information

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Claire Manufacturing Co. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

**Prepared by**

Not available.

**This data sheet contains changes from the previous version in section(s):**

This document has undergone significant changes and should be reviewed in its entirety.